

Fig. 1A

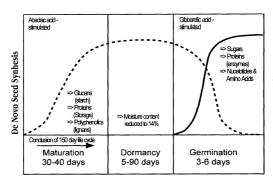


Fig. 1B



Fig. 1C



Fig. 1D



Fig. 1E



Fig. 1F

10	20	30	40	50	60	70
GGTACCCATC						
CCATGGGTAG .	ATTATGTAAT	TATTGTTCTC	TCTCTTACCT	ATTACGTTAA	TAAATAAAA	TACCCTCCGA
80	90	100				
				TACTTAGGTA		
TATAAAAATA	GCCTAAAATC	ATTTATTGCC	CCGTTAAGCC	ATGAATCCAT	TTCGATGCAT	ACTGATAGCG
150		170	180	190	200	210
150	160			TGTTGTGTTG		
				ACAACACAAC		
AIGGCGAIGC	CATCAACTTA	ACCITANGAA	GCIAICGIAG	ACAACACAAC	AACGICAAIC	CCATGAACII
220	230	240	250	260	270	280
				TAGGATTGCC		AGGGCAATTC
				ATCCTAACGG		
	00110111100					
290	300	310	320	330	340	350
ATGTTCACGG	TATTGTGTAG	TATATGAAAA	AGGAGATCTC	CCAAACAATT	TATAATTTTG	TATAAGGGAG
TACAAGTGCC	ATAACACATC	ATATACTTTT	TCCTCTAGAG	GGTTTGTTAA	ATATTAAAAC	ATATTCCCTC
				>AT-rich_r	egion_	
				I		
360	370	380				
				CCCTCCGTTT		
TTTAGCTTGA	ACTCCACAGA	TTAAGTGGTT	GGCTCGATGA	GGGAGGCAAA	GTATATACAT	ATATGTATAT
430	440	450				
				TATGGTATAT		
ATGCATATAT	ATGCATATAT	GTGTATATGC	ATATATGTAT	ATACCATATA	TGTATATATA	TATATATATA
500	510	520	530	540	550	560
				CTAAAAAGTT		
				GATTTTTCAA		
IMIMIMIMI	IACACACACA	CACATACACC	CCACCGIIAC	GATTITICAA	AAIAIIAIAC	IIGCCIACII
570	580	590	600	610	620	630
				AGTATACGAA		
				TCATATGCTT		
640	650	660	670	680	690	700
ATTGATATTA	TATATTCGTC	GCGACGAAAA	TAAAGACATA	ATATTCGGTA	TACCATTTAT	CCACGATATA
TAACTATAAT	ATATAAGCAG	CGCTGCTTTT	ATTTCTGTAT	TATAAGCCAT	ATGGTAAATA	GGTGCTATAT
710	720	730			760	
				TTTATGGATA		
AGATTTAAGG	TGACTATATA	GATTTAAGGT	GAACTAGGGA	AAATACCTAT	TTAAGACCTA	TTGTTAATGA
780	790	800			830	
				CTACCCTCAC		
TGGTCGTCAT	ATAGGATGAT	AGTCGCGTGA	CGTGTGGTTI	GATGGGAGTG	GGTCATCAAT	GTTTGCGTAT

Fig. 2A

	850	860	870	880	890	900	910
	TTTTGCCGTT	AGTTAATTAT	TATCCGGTAA	AGAAGGTAAA	GAAGATTGGT	AGTAATCCAA	AATTTTCCCA
	AAAACGGCAA	TCAATTAATA	ATAGGCCATT	TCTTCCATTT	CTTCTAACCA	TCATTAGGTT	TTAAAAGGGT
7	920	930	940	950	960	970	980
i	ACCCCAACCT	CGGAACAAAA	ACCGCGTAGT	ATTTGTCGTA	ACCAGGAGCA	TCCGAGTCAT	TÄATTTACAC
	TGGGGTTGGA	GCCTTGTTTT	TGGCGCATCA	TAAACAGCAT	TGGTCCTCGT	AGGCTCAGTA	ATTAAATGTG
1							
		>Trans	scription_s	tart_site			
	>CAAG_site						
			l l				1
	990	1000	1010	1020	1030	1040	1050
	CCAAACACAA	AAAATTAGCA	GCACGCAGCC	GCCTTCCCAA	TCCTCTCCTC	TCTCCTCTCC	TCTTCTCCAA
	GGTTTGTGTT	TTTTAATCGT	CGTGCGTCGG	CGGAAGGGTT	AGGAGAGGAG	AGAGGAGAGG	AGAAGAGGTT
ł							
	1060	1070	1080	1090	1100	1110	1120
	GCGGCAATTC	GCGCGAGGTT	TTCTCCGATC	AAACCCTCGA	ATCCCCCCCT	CGCGAATCCA	TCGGAGGGTA
	CGCCGTTAAG	CGCGCTCCAA	AAGAGGCTAG	TTTGGGAGCT	TAGGGGGGGA	GCGCTTAGGT	AGCCTCCCAT
	1130	1140	1150	1160	1:	170	1180
	GCCCCGCGAT	CCGCGTCGGC	GAGAGCGGAT	TCCGATTCCG	CG ATG GAG	CGG GTG TTC	C TCC GTG
	CGGGGCGCTA	GGCGCAGCCG	CTCTCGCCTA	AGGCTAAGGC	GC TAC CTC	GCC CAC AAG	G AGG CAC
					M E	R V F	s v>
					aa	aEXON1	_a>
	1190	1200	1:	210	1220	1230	1240
	GAG GAG AT	C TCC GAC CO	CA TTC TGG (	STC CCG CCT	CCG CCG CCG	G CAG TCG GO	CG GCG GCG
	CTC CTC TAG	G AGG CTG GO	GT AAG ACC	CAG GGC GGA	GGC GGC GGC	C GTC AGC CO	C CGC CGC
	E E I	S D I	? F W	V P P	P P P	Q S A	A A>
	aa	_aaa	_aaa	EXON1	aaa	_aaa	_a>
		250	1260	1270	1280	1290	
		G CAG GGC GG					
		GTC CCG CC					
	A Q Q	QGG		V A S	G G G	G G 7	
	aa	_aaa	aaa	EXON1	aaa	_aaa	_a>
	1200	1210	1200	1220			1250
	1300	1310	1320	1330		340	1350
		GGC GGG A					
		G CCG CCC TY					
	G G G	G G I		N R C	P S E	WY	
	aa	_aaa	aaa_	EXONI8	aa	_aaa	_a>
	1360	1370	138	20 -	1390	1400	1410
		G GAG GCG G					
		GAG GCG G					
	F L E	E A V		S P V	P N P	S P F	
				_EXON1a		aaa	a a >
	aa	_aaa				_uaa	
			Te	ig.	2B		
			-	-9.			

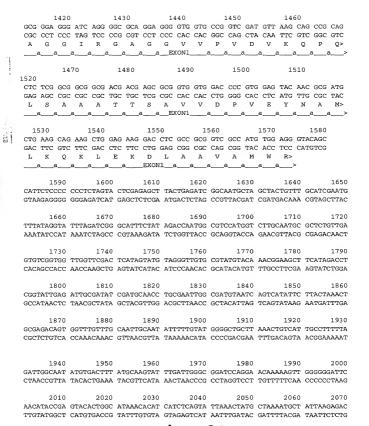


Fig. 2C

2080	2090	2100	2110	2120	2130	2140
CTTTAGCACC	TCTTATCTTA	TCAACCATGG	TGAAAAAATT	GAAGGGGGGA	CTCAGGGGGG	TATCCATGGG
GAAATCGTGG	AGAATAGAAT	AGTTGGTACC	ACTTTTTAA	CTTCCCCCCT	GAGTCCCCCC	ATAGGTACCC
2150	2160	2170	2180	2190	2200	2210
					GCCCTGGCAT	
AGGCTACCCA	CGTCCCCCCT	GACTCAGGGG	GGACGTGGGT	GCAACTTAGG	CGGGACCGTA	CGCATATTCG
2220	2230	2240	2250	2260	2270	2280
					ATTTGTCTTT	
	TAAAGATCCA	CGAACACGAA	TCAACCCACT	ACAGTCGAAT	TAAACAGAAA	
2290	2300	2310	2320	2330	2340	2350
					TGATGATCCC	
GTAGCTAAAA	GATTCTTTGC	TTTTTATCGG	ATAAATACAC	GAGGTCTTAA	ACTACTAGGG	ACCGGGAAGT
2360	2370	2380	2390	2400	2410	2420
					TATGTTGTTG	
AAACGACTTT	AATCGGATAA	ACAACCAACG	GGAAGTCAAA	AAAGGGTCGA	ATACAACAAC	GTTACACACC
2430	2440	2450	2460	2470	2480	2490
					ACATGACTTA	
GATACGGAGC	AAAACACGGG	ATATTAAATA	ATAAACGTTA	AGTAAAAACA	TGTACTGAAT	TTTACTGTGA
2500	2510	2520	2530	2540	2550	2560
					TCATTTTATC	
					AGTAAAATAG	
2570	2580		590	2600	2610	2620
					GT CCT GGA (	
TACAGTAAAA	GTAGAAGTC (				CA GGA CCT C	
		ASG	TVP	P E F		A G S>
	-	bbb	JDD	EAUN2B_	bb_	bb>
2630		2640	2650	2660	2670	2680
					TCC ATC GO	
S L L	N A I		H I G	A P N		> ccardaar
					b_b_b_	
2690	2700	2710	2720	2730	2740	2750
					CACAATTGCA	
					GTGTTAACGT	

Fig. 2D

2760	2770	2780	2790	2800	2810	2820
TTTTAGTTTC	TTTGAAATAG	AAGTAGAGTT	GTATTGCTGT	CACGTCATCA	AATAGTTCTG	AAGCTATGAA
AAAATCAAAG	AAACTTTATC	TTCATCTCAA	CATAACGACA	GTGCAGTAGT	TTATCAAGAC	TTCGATACTT
2830	2840	2850	2860	2870	2880	2890
	CCCC APPTCT	TACTCATTCT	TTGAACATTA	GAATTGTTAT	CCTTAACTAC	ата сссттат
				CTTAACAATA		
ATTIATIONA	GGCGIAAACA	ATCACTAMOA	MACTIGIAMI	CIIAACAAIA	COMMITCATE	INICCOMIN
2900	2910	2920	2930	2940	2950	2960
				CCAGCTGGCA		
				GGTCGACCGT		
CAAACAAACC	TCAAGGGAAT	TTAGTAAAGT	MACGACTGAC	GGTCGACCGT	CCTCGTAAAC	MACMACGGMA
2970	2980	2990	3000	3010	3020	3030
				AAAACATATT		
CTGGTACTTA	CTTCTGGAAG	GACAAGACTC	ACGAGTGTTC	TTTTGTATAA	AACTAATTAC	GTGGAACTTA
3040	3050	3060	3070	3080	3090	3100
				GAGTAGTACT		
GGAATCCTAG	AACGTTTCTA	CCCGTGAATC	GAAATCTTAA	CTCATCATGA	ATTTATCGAC	AACAATAGTA
3110	3120	3130	3140	3150	3160	3170
				ACTTTTGACT		
CTAAACAGGA	CATCACTTTA	CAGCTGTTTT	GTCCTTACGA	TGAAAACTGA	AGACTATAAA	GTACGGACCG
3180	3190	3200	321		3220	3230
				C AAT GCT AG		
AAATGAATAC	GAGACAAACC	TTGTACCCGT	GTATAGT CC	G TTA CGA TO		
			G	N A	r P V	Q N M>
				_ccc_	EXON3c	cc>
3240	3250	32	50 :	3270	3280	3290
CTA AGT GG	C CCA AGT G	GG GGA TCG	GGC TCA CAG	TTG GTA CAC	AAT GTT G	AT GTC CTT
GAT TCA CC	G GGT TCA C	CC CCT AGC	CCG AGT GTC	AAC CAT GTO	C TTA CAA C'	ra cag gaa
L S G	P S	G S	G S Q	L V Q	N V	) A F>
cc	_ccc_	_ccc	EXON3	ccc_	_ccc_	_cc_>
330	0 :	3310	3320	3330	3340	
GTA AAG CA	G CCC ACC A	C TCT TCA	ICA AGG GAG	CAG TCA GA	GAT GAT G	AC ATG AAG
CAT TTC GT	C GGG TGG TG	CG AGA AGT	AGT TCC CTC	GTC AGT CTA	A CTA CTA C	FG TAC TTC
V K Q	P T	s s s	S R E	Q S D	D D 1	O M K>
cc_	_ccc	_ccc	EXON3	ccc	_ccc_	_cc_>
3350	3360	3370	3380	3390	) :	3400
GGA GAA GC	T GAG ACC AC	T GGA ACT	GCA AGA CCT	GCT GAT CAR	A AGA TTA CA	AA CGA
				CGA CTA GT		
G E A						
	E T	г с т	A R P	A D O	R L (	) R>
c c	ET		A R P EXON3 _c		R L (	Q R>

Fig. 2E

3410	3420	3430	3440	3450		
					ACCTACCTCG	
TCCACTAG	TAAGTAACGA	AGGAACATTA	TATCTAAGAC	ATGTATTAAT	TGGATGGAGC	AGTACGTACG
348	0 349	0 350	00 35	10 35	20 35:	30 3540
						TT TCAGTTTCCT
						AA AGTCAAAGGA
THEREING	11111101001	n. redddinni	,, 0,1,001,11	.0 010		
355	0 356	0 357	0 35	30 35	90 36	00 3610
ATTGCATCG	C ATATATGAT	C TTTTACCTA	C CATATTAG	TT CTCTGTGT	GC CATACTCA	GT GCTTAGTGTC
TAACGTAGC	G TATATACTA	G AAAATGGAT	G GTATAATC	AA GAGACACA	CG GTATGAGT	CA CGAATCACAG
362						
						TA TTGACATAAG
AGCTCGTTC	T CTCCTTAAA	C ATACCGATA	A TGTGCATC	T GAAACGAG	AG ATGAACAA	AT AACTGTATTC
369	0 370	0 371	.0 37:	20 37	30 37	40 3750
CAATTTGGG	A TGAATTAA	T CTGAGTTCA	C ATCATATT	CC TTATGTCA	CA AGTTTCTG	AA ACCGATTGTA
						TT TGGCTAACAT
376	0 377	0 378	30 37	90 38	00 38	10 3820
TCTAGTATC	T GGTTGATGO	A CCCCCATCT	T GGATTTGC	AA ATCAAAGT	TA TACTCCCT	AG AGAGCTTTAC
AGATCATAG	A CCAACTACO	T GGGGGTAGA	LA CCTAAACG	TT TAGTTTCA	AT ATGAGGGA	TC TCTCGAAATG
383						
						CC AGAATTCATI
GAAAGTATT	T CGTTAATGO	G GTTATTTGG	FT GCCTAAAC	ra TCGATAAC	TG ATACTAAT	GG TCTTAAGTAA
390	0 391	.0 392	20 39:	30 39	40 39	50 3960
					TA AAATAATG	TC ACGGTAGGGT
						AG TGCCATCCCA
397	0 398	0 399	0 40	00 40	10 40:	20 4030
ACATGTATG	T GCAGCATAC	A AGGTATGGG	T GAGTTATG	AT ATGGACAG	TG TGTACACC	CC ACATTTGCTC
TGTACATAC	A CGTCGTATO	T TCCATACCO	CA CTCAATAC	TACCTGTC	AC ACATGTGG	GG TGTAAACGAG
404	0 405	i0 40 <i>6</i>	50 40	70 40	80 40	90 4100
						TA TTGTTTATTA
						AT AACAAATAAT
TGATTTTAG	T TTTATAAG	T IGCAGIGCA	C TACTATACE	A CCIAACGI.	AA IAIGGAAC	AI AACAAAIAAI
411	0 412	0 413	0 41	10 41	50 41	60 4170
TGTTACTTG	T GCTAGACAA	T AATATAGGO	T GTTCTTTT	G GTGATTTT	GT ATGAAGAT	GT TGAGCAAGCA
ACAATGAAC	A CGATCTGTT	A TTATATCC	GA CAAGAAAA	CC CACTAAAA	CA TACTTCTA	CA ACTCGTTCGT
						4020
418				1210	4220	4230
						GAG TCA GCC
GAAGAGCTA	T ATTACGATO	A AAACAACTG				CTC AGT CGG
				к Ç ddd	S N R EXON4	E S A>
			~	ua	EAUN4	u>

Fig. 2F

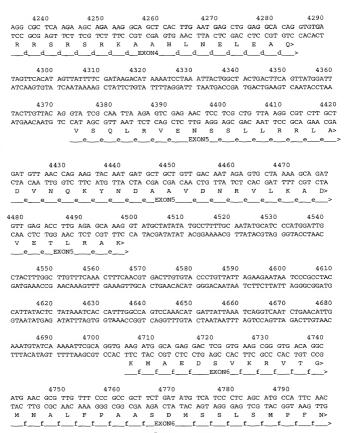


Fig. 2G

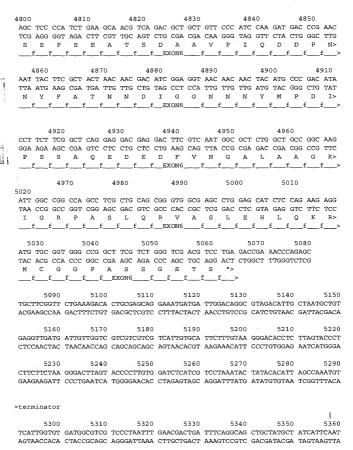


Fig. 2H

5370	5380	5390	5400	5410	5420	5430
AATATTTTGA	TCGATGCTTC	CTCTTGTCTT	TTGCTCTTAA	GCAACCAAGC	ATAAAGATAT	CACTACCTTT
TTATAAAACT	AGCTACGAAG	GAGAACAGAA	AACGAGAATT	CGTTGGTTCG	TATTTCTATA	GTGATGGAAA
5440	5450	5460	5470	5480	5490	5500
TGAGCTGTTC	ATTTGAAGTG	CAAAGCTAAG	CTCAATATCT	CAGGTGTTCA	TTTGAAGTTT	AAAGGTGAAC
ACTCGACAAG	TAAACTTCAC	GTTTCGATTC	GAGTTATAGA	GTCCACAAGT	AAACTTCAAA	TTTCCACTTG
5510	5520	5530	5540	5550	5560	5570
				ACATCCCTAA		
ACTATTGTTT	GCAGTCCGAT	ACCACTTACT	TCCCTGCACA	TGTAGGGATT	ATGTACAGTA	AAAGTATTAG
5580	5590	5600	5610	5620	5630	5640
				TCATCATACA		
TTTAATCAAC	TACGTAAAAG	TGGGTCTTAG	GGTAGTGTCA	AGTAGTATGT	TCGTTCACAT	CAATAATTAC
5650	5660	5670	5680	5690	5700	5710
				TAAGATTCAC		
CATTAAAAA	GCAAATCTCT	TTTTTTTCC	TTCGGAATAT	ATTCTAAGTG	GCCACCCCAC	ACTIGITATI
5720	5730	5740	5750	5760	5770	5780
				GACAAAAATG		
				CTGTTTTTAC		
	101110001110	00011110000	100011100111	01011111110	011111110110	001111110011
5790	5800	5810	5820	5830	5840	5850
CCACAACAAC	GCTTGCGCAC		GGCAGCGACT	TCATCGCTTT	CGCGGGCAAG	AAACGAATCA
GGTGTTGTTG	CGAACGCGTG	CGCGAGTTTA	CCGTCGCTGA	AGTAGCGAAA	GCGCCCGTTC	TTTGCTTAGT
5860	5870	5880	5890	5900	5910	5920
				AATCCAATCC		
TCACTATGTA	ACCGTCCCTT	GGTGGTTTTC	TTCCGGTAGG	TTAGGTTAGG	TGAGGTTGCG	CCGTACCTTC
5930	5940	5950	5960	5970	5980	5990
				TTTGATACTT		
TGTTCTGTCT	ACTAAGTGTC	GATAGAAGAC	GAAGATGTTC	AAACTATGAA	ACATGACAGG	AAAGTCCCTT
6000	6010	6020	6030	6040	6050	6060
				TCTTGTGGGA AGAACACCCT		
TTTTCTCGTA	GICTAATCAG	ACTAGAGCCC	GCGCAACTCA	AGAACACCCT	CTAGAACAAC	ACCTCACCGT
6070	6080	6090	6100	6110	6120	6130
				TCGCCAGTAA		
				AGCGGTCATT		
00101101001		00111111011110				
6140	6150	6160	6170	6180	6190	6200
TACGGCAATG	GGGATCGCCC	ATCTGCATAA	AACATTGCAT	GACGGAACTG	ATTAATACAA	GAATGACATG
				CTGCCTTGAC		
6210	6220					
TAAGCTGATA	ATTACGCGTG	CAAGCTT				
ATTCGACTAT	${\tt TAATGCGCAC}$	GTTCGAA				

Fig. 2I

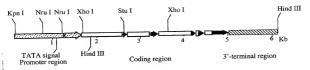


Fig. 3

## 102030 - 25221860

10 AAGCTTGCAT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	30 AGGAGAGGGG	40 AGAGATGGTG	50 AGAGAGGAGG	60 AAGAAGAGGA *	70 GGGGTGACAA >Reb_site1	80 TGATATGTGG	90 GCCATGTGGC	
100 CCCCACCATT	100 110 120 170 180 180 180 0.00CCACCATT THITHATIC GATCGAATT G <u>CCACCATAG</u>	120 TTCTTTTGTT	130 GAAACTGACA	140 TGTGGGTCCC	150 ATGAGAATTA	160 TTATTTTCG	170 GATCGAATT <b>G</b>	180 CCACGTAAGC	
			>Reb	>Reb_site1 >re	>reb_site2				
190 GCTACGTCAA	190 200 210 220 GCTACGTCAA TGCTACGTCA GATGAAGACC GAGTCAAATT	210 GATGAAGACC	220 GAGTCAAATT	230 AGCCACGTAAG	240 CGCCACGTCAG	250 G CCAAAACC	250 260 270 CCAAAACC ACCATCCAAA CCGCCGAGGG	270 CCGCCGAGGG	
280 ACCTCATCTG	290 CACTGGTTTT	300 GATAGTTGAG	310 GGACCCGTTG	320 TATCTGGTTT	330 TTCGATTGAA GGACGAAAAT		350 CAAATTTGTT	360 GACAAGTTAA	
370 GGGACCTTAA	370 380 390 400 410 420 420 440 450 850 GGGRCCTTAA ATGAACTTAT TCCAPITTCAA AATAITCTGT GAGCCATATA TCCGTGGGCT TCCAATCCTC CTCAAATTAA AGGGCCTTTT	390 TCCATTTCAA	400 AATATTCTGT	410 GAGCCATATA	420 TCCGTGGGCT	430 TCCAATCCTC	440 CTCAAATTAA	450 AGGGCCTTTT	
460 TAAAATAGAT	460 470 TAAAATAGAT AATTGCCTTC	480 TTTCAGTCAC	490 CCATAAAAGT	490 500 CCATAAAAGT ACAAAACTAC	510 520 TACCAACAAG CAACATGCGC		530 AGTTACACAC	540 ATTTTCTGCA	
550 CATTTCCACC	550 560 570 CATTICCACC ACGICACAA	570 GAGCTAAGAG	580 TTATCCCTAG	580 590 TTATCCCTAG GACAATCTCA	600 TTAGTGTAGA	610 620 TACATCCATT AATCTTTTAT	620 AATCTTTAT	630 CAGAGGCAAA	
640 CGTAAAGCCG	650 CTCTTTATGA	660 CAAAAATAGG		670 680 TGACACAAAA GTGTTATCTG	690 CCACATACAT	700 AACTTCAGAA	710 ATTACCCAAC	720 ACCAAGAGAA	
730 AAATAAAAA	730 740 750 760 770 770 780 AAATGTAGAA ACCTTTTTG GCAGGGGGA AATGTTGGAA ACCTTTTTG CTCTTTGCAG	750 GCAAGCTCCA	760 AATCTTGGAA	770 ACCTTTTTCA	780 CTCTTTGCAG	790 800 810 CATTGTACTC TTGCTCTTT TCCAACCGAT	800 TTGCTCTTT	810 TCCAACCGAT	
820 CCATGTCACC		840 TACTTGATCT	830 840 850 860 870 CTCAAGCTTC TACTTGATCT ACACGAAGCT CACCGTGCAC ACAACCATGG	860 CACCGTGCAC	870 ACAACCATGG	880 CCACAAAAAC	890 CCTATAAAAC	900 CCCATCCGAT	
910 CGCCATCATC	920 TCATCATCAG		930 940 950 TTCATCACCA ACAAACAAAA GAGGAAAAAA	950 GAGGAAAAAA	960 AACATATACA	970 CTTCTAGTGA	980 TTGTCTGATT	990 GATCATCAAT	
1000 CTAGAGGATC	1010 CCCGGGTGGT	1020 CAGTCCCTT ATG Gus Start site	ite	1030	1040	1050	1060		

Fig.

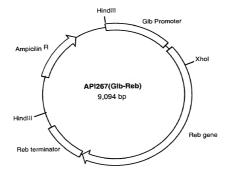


Fig. 5A

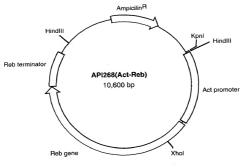
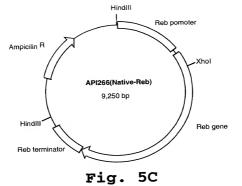
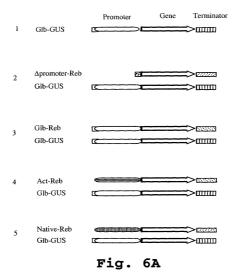


Fig. 5B





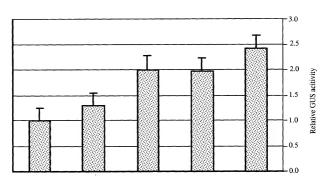
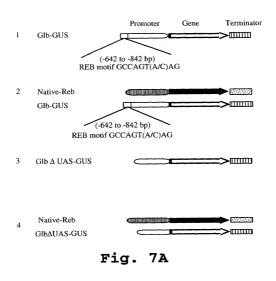
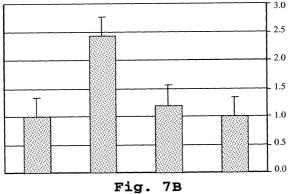


Fig. 6B





Relative activity





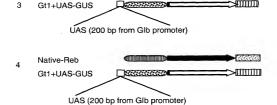
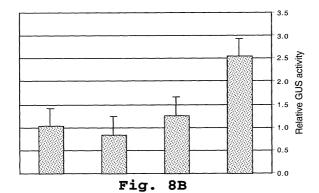


Fig. 8A



100 TTCATT		200 GACCGA		300 GTTGTA	400 TATATC	500 CAAGCA		600 CATTAA		700 CAACAC		800 CGATCC		900 CATCTC			
90 ACCATTTTTAA	GT core	190 <u>ACGT</u> CAGATGAA		290 GTTGAGGGACCC	390 TTCTGTGAGCCA	490 AACTACTACCAA		590 TGTAGATACATC		690 TCAGAAATTACC		790 TCTTTTCCAAC		890 ATCCGATCGCCA1		Ą	
80 IGGCCCCC		180 ICAATGCT		280 FTTTGATA	380 TCAAAATA	480 AAGTACAA		580 CTCATTAG		680 ACATAACT		780 ACTCTTGC	×	880 AAACCCCA		980 CAATCTAG	
70 TGTGGGCCATG	ACGT	170 TAAGCGCTACG		270 ATCTGCACTGG	370 CTTATTCCATT	470 GTCACCCATAA		570 CCTAGGACAAT		670 ATCTGCCACAT	rolaminbox	770 TGCAGCATTGT.	TATA_bo	870 AAAACCCTATA		970 TGATTGATCAT	
60 GACAATGATA	ACGT core	160 AATTGCCACG		260 GAGGGACCTC	360 CTTAAATGAA	460 CCTTCTTTCA		560 AAGAGTTATC		660 CAAAAGTGTT	Ω	760 TTTCACT <u>CTT</u>		860 CATGGCCACA		960 AGTGATTGTC	•
50 GAGGAGGGGT		150 TTTCGGATCG		250 CCAAACCGCC	350 GTTAAGGGAC	450 TAGATAATTG	ø	550 ACAAAGAGCT		650 ATAGGTGACA		750 TGGAAACCTT		850 TGCACACAAC		950 ATACACTICT	Ī
40 GGAGGAAGAA		140 AATTATTATT		240 AAACCACCAT	340 TTGTTGACAA	440 CTTTTTAAAA	ACGT cor	   540  CCACC <u>ACGT</u> C		640 TATGACAAA		740 SCTCCAAATCT		840 BAAGCTCACCG		940 MAAAAAACAT	
30 TGGTGAGAGA		130 GTCCCATGAG	T core	230 ACGTCAGCCA	330 AAAATCAAAT	430 ATTAAAGGGC		530 CTGCACATT	e minbox	630 <u>AG</u> CCGCTCT1		730 TTTTTGCAAG		830 GATCTACACO		930 CAAAAGAGG	
20 AGGGGAGAGA		120 TGACATGTGG		220 CGTAAGCGCC	320 TTGAAGGACG	420 TCCTCCTCAA		520 CACACATIT	ACGT cor	  620  GCAA <u>ACGTAA</u>		720 AAAAAAATC		820 GCTTCTACTT		920 CACCAACAA	
10 CTGCAGGGAGGAG		110 CTTTTGTTGAAAC	ACGT o	210 GTCAAATTAGCCA	310 TCTGGTTTTTCGA	410 CGTGGGCTTCCAA		510 ACATGCGCAGTTA		610 TCTTTTATCAGAG		710 CAAGAGAAAATA		810 ATGTCACCCTCAA	txm_start_site	910 ATCATCAGTTCAT	
	20 30 40 50 60 70 80 90 saragearagaragaragaragaragarakatagatatagaragaccaccaccaccattititaatito	10 20 30 40 50 60 70 80 90 100 CTGCAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGA	10 crccaggaagagaagagagagagagagagagagagagaga	100 crocloggiaga aggregate and sold and an argument and sold and sold argument and sold argument and sold argument argum	10 CTGCAGGGAGGGAGGAGGGAAGGAGGAAGAGGGGGGGGGCAAGGAGG	10 crockogagagagagagagagagagagagagagagagagagaga	10   20   30   40   50   60   70   70   100	10	10 CTGCAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA	10	100   100	110 CTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	10	100   20   30   40   50   60   70   70   100	100   100	10   20   30   30   40   30   30   30   30   3	10   120   130   140   150   160   160   170   180

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	0.11			,		0.4		0.4	0.4	core	0 41	O f		0.0			
	100 AGGGC		200 TAAGA	300 TTTGC		400 ACAAA		500 GCATA	600 CCCAA	ACGT core	700 TACGT	800 CGATT		900 CAACC			
	ATAGG		TTTAC	ACTTT		AAGCA		GTGCC	CAAAC	e.	CCCAT	CCAAC		CCATC			
	90 TAAAC		190 GCGGA7	290 TACCA		390 ATGAC?		490 TTTGA	590 TCTGC		690 TTAAGC	790 CTTTTC	×	890 AAAGCC			
	SAGGT		TTGAC	AACTC		ACTAA		GAAGT	CATAT		TAGGA	CTGCC	TATA-box	CTATA			
	80 CATAA		180 ACTATT	280 ICCAAA		380 ATCCA		480 GGTTA	580 AGATAC		680 AGAACT	780 GCAAAC	TA	880 CGTCC		GA	
	4AGAA(	X	ATCAA	TAAG'		rggaaj		BACAT	CTAAC		ACACC	TGTTG		CACCT		ATCTA	
	70 SATAG	prolaminbox	170 NGTAA	270 FTTTC?		370 TTGCC		470	570 AATGGC		670 ACAAT?	770 PTTTGI		870 ACCTT		970 CACTG2	
	SAGATO	prol	CTGG	GGTG		TGTG		PCCAC	SAAGC		PGCAA	3CTTC		CTGA		CAGTT	
	60 CTTG		160 ATAT	260 GGAAA		360 GGATT		460	560		660	760 ATCCAG		860 SATGT		960 ACTGAC	
	AAACA		AATCC	GTCAC	if	AGCAT		AGGCT	ATAT		CCAC	PACTT		CAAC		AATTC	
	50 GGAAG		150 AACAA	250 CATT	GCN_motif	350 GAGTC	×	450 CATG	550		650 AACA1	750 TCCTT		850 GCAC2		950 GATC?	
	GGCAG		AAGTA	TAGIT	8-	ATTG	prolaminbox	TGTTC	TGAGI		GTACA	ATTG		182881		CTAC!	
	40 GTAGG		140 TTGGG	240 TCAGI		340 TAGAT	prola	440	540 AGTT		640 CCAA7	740		840 ACCTO		940 3CCAA3	
pox	AAGAG		CTCAT	AGGTT	¥	TTGGA		TCAAT	TTAGA		ACAGA	GCAAG		AACTZ		GCACC	
prolaminbox	ATGCA		130 TTGAA	230 GCCAA	GCN_motif	330 AGTCA		430 GTTTA	530 CATGG		630 AAAG?	730 GTTTT		830 GGCTP		930	
pro	TGGAC		ATTAA	GACTG	GCN-	TIGIE		AGATG	CTCGA		GATAA	AATCI		TCAIR	te	ACAAC	
	20 GACAA		120 TCTAC	220 GACAT		320 AGATG		420 AGGAG	520 CACTA		620 TCTTA	720 CCAAA		820 TTTCI	txn_start_site	920 CACCC	
	GGAAA		TTAAA	TTTA		TAGAT		GCTTT	AATGG		ACTCC	ACCGT		CACGC	n_sta	ATCAT	
	10 3CCAG		110 SACAA	210 STTAA	a	310 FAGCA		410 AATGG	510 SAAGC		610 TAATC	710 AGCAG		810 CTTCT	ğ	910 ATCTC	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		110 120 130 140 150 150 150 200 atartigarcaltraritigaacticaltirggaagtaaataaaaticaataaticaatag <u>otraaa</u> taaactaitigacgeggatitactaaga	210 220 230 240 250 260 270 280 290 300 rectargetargetargetargetargetargetargetarge	ACGT core	310 320   330 340   350 360 370 380 390 400 <u>acc</u> icatragentagatractricatricatricatricatricatricatrica		410 420 430 440 450 460 470 480 490 500 accigaaargegecegering	510 520 530 540 550 560 570 580 590 600 TITYGCGGAAGCRATGGCTAACAGATACATTATTGCGGAAGCRATGGCTAACAGATACATTATTATTGCGGAAGCCAATGGCTAACAGATACATTATTTGCGGAAGCCAATGGCTAACAGATACATTATTTGCGGAAGCCAATGGCTAACAGATACATTATTTGCGAAAGCCAATGGCTAACAGATACATTATTTGCGAAAGCCAATGGCTAACAGATACATTATTTGCGAAAGCCAATGGCTAACAGATACATTATTTGCGAAAGCCAATGGCTAACAGATACATATATTGTGCTAA		610 620 630 640 650 660 670 680 690 000 GARGGRANGGATARTACACCATATACACATATACACATATACACATATAGATATAGATATAGATATAGATATAGATATAGATATAGATAGATATAGATATAG	710 720 730 740 750 760 770 780 790 800 GCCTTTAGGAGAGCACCAATTGCTCCTTATCTATCCAGCTTCTTTTAGGGAACTGCCCTTTTCCAACTGCAATT		810 820 830 840 850 860 870 880 890 900 TIGITITCITCATCATTCATCATCCTCTTCACCTTTCATCATAAAACTTCAACC		910   920 930 940 950 960 970 970 970 970 970 970 970 970 970 97	
	ິບ		A.	Ħ	ACG'	¥I		Ä	Ħ		3	ŏ		H		Ŧ	

Fig. 10

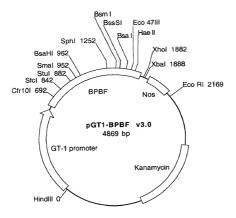


Fig. 11A

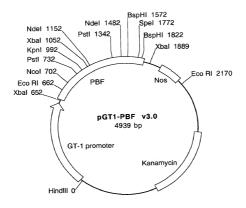


Fig. 11B

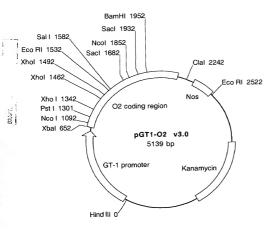


Fig. 11C

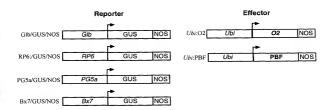


Fig. 12A

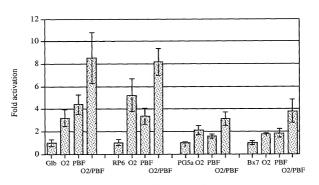


Fig. 12B



Fig. 13A

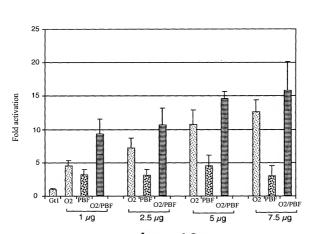


Fig. 13B

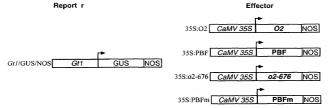
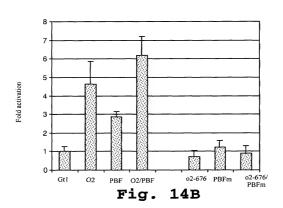


Fig. 14A



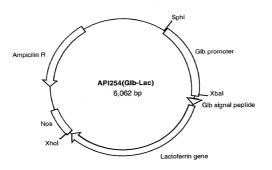


Fig. 15A

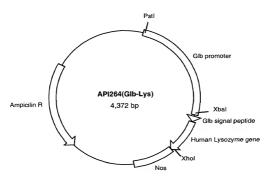


Fig. 15B

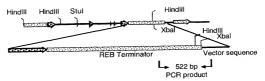


Fig. 16A

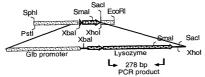


Fig. 16B

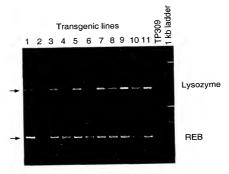


Fig. 16C

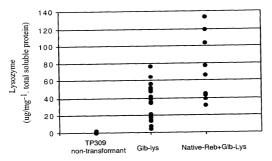


Fig. 17